

Supplement Table 17. Summary of clinical outcomes from randomized controlled trials evaluating gastric residual volume-based monitoring in critically ill adult patients receiving enteral nutrition (KQ8)

Study	Group	Total No	VAP, n	Vomiting, n	Vomiting, frequency	Feeding intolerance, n	Prokinetic treatment, n	Cumulative calorie deficit from day 0 to day 7, kcal	Diarrhea, n	ICU-acquired infection	MV duration, day	ICU LOS, day	Hospital LOS, day	28-day mortality, n	90-day mortality, n
Reignier, 2013 [65]	No GRV	227	38	90		90	94	319 (93–1,012) ^a	51	60	7 (4–13) ^a	10 (6–17) ^a	17 (9–31) ^a	63	82
	GRV	222	35	60		141	145	509 (185–1,252) ^a	51	60	7 (5–13) ^a	10 (7–17) ^a	19 (10–32) ^a	61	76
Barkhordari, 2021 [85]	No GRV	34	5		36.3±1.1										
	GRV	31	4		36.6±1.3										

VAP, ventilator-associated pneumonia; ICU, intensive care unit; MV, mechanical ventilation; LOS, length of stay; GRV, gastric residual volume.

*Result is presented as median (interquartile range width), not as median (Q1–Q3).

